

WEST Search History

DATE: Thursday, June 12, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
			result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L16	L15 and (oxygen therapy)	13	L16
L15	L14 and (tissue expander)	13	L15
L14	L13 and (dental or filling or extraction)	13	L14
L13	L12 and (vitreous or lens) and replacement	13	L13
L12	L11 and reversible	57	L12
L11	L10 and (viscosity to density)	144	L11
L10	L9 and oligomer	159	L10
L9	L8 and (interfacial tension)	390	L9
L8	L7 and (surface tension)	1204	L8
L7	L6 and ((molecular weight) or mw)	1358	L7
L6	L5 and (functional group)	1376	L6
L5	L4 and polar and hydrocarbon	1392	L5
L4	L3 and ((surface active) or surfactant?)	8582	L4
L3	L2 and (fluorinat\$ or perfluorocarbon\$ or perfluoroalkyl\$)	9014	L3
L2	L1 and (water or aqueous)	377793	L2
L1	implant\$ or insert\$	2391684	L1

END OF SEARCH HISTORY

UNMATCHED LEFT PARENTHESIS 'AND ((SURFACE'

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s 12 and (fluorinat? or perfluorocarbon? or perfluoroalkyl?) and ((surface(w)active) or surfactant#)

L3 3321 L2 AND (FLUORINAT? OR PERFLUOROCARBON? OR PERFLUOROALKYL?) AND ((SURFACE(W) ACTIVE) OR SURFACTANT#)

=> s 13 and polar and hydrocarbon

L4 733 L3 AND POLAR AND HYDROCARBON

=> s 14 and (functional group)

L5 197 L4 AND (FUNCTIONAL GROUP)

=> s 15 and (molecular weight or mw)

<-----User Break----->

SEARCH ENDED BY USER

L6 175 L5 AND (MOLECULAR WEIGHT OR MW)

=> s 15 and ((molecular weight) or mw)

L7 175 L5 AND ((MOLECULAR WEIGHT) OR MW)

=> s 17 and (surface tension)

L8 49 L7 AND (SURFACE TENSION)

=> s 18 and (interfacial tension)

L9 2 L8 AND (INTERFACIAL TENSION)

=> d 19 ibib ab

L9 ANSWER 1 OF 2 USPATFULL

ACCESSION NUMBER: 2002:112477 USPATFULL

TITLE: FLUORINE-CONTAINING EPOXY RESIN COMPOSITION, AND SURFACE MODIFICATION PROCESS, INK JET RECORDING HEAD AND INK JET RECORDING APPARATUS MAKING USE OF THE SAME
INVENTOR(S): NOGUCHI, HIROMICHI, TOKYO, JAPAN
SHIMOMURA, AKIHIKO, YOKOHAMA-SHI, JAPAN
IMAMURA, ISAO, KAWASAKI-SHI, JAPAN
SATO, TAMAKI, KAWASAKI-SHI, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002058210	A1	20020516
	US 6472129	B2	20021029
APPLICATION INFO.:	US 1999-263083	A1	19990308 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1998-57638	19980310

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112

NUMBER OF CLAIMS: 11

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 3 Drawing Page(s)

LINE COUNT: 858

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The fluorine-containing epoxy resin composition of the present invention comprises a fluorine-containing epoxy resin having in one molecule at

right truncation

NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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4 FILES SEARCHED...
L1 2787626 (IMPLANT? OR INSERT?)

=> s 11 and (water or aqueous)
L2 409848 L1 AND (WATER OR AQUEOUS)

=> s 12 and (fluorinat? or perfluorocarbon? or perfluoroalkyl?) and ((surface(w)active or surfactant#)

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TERMINAL (ENTER 1, 2, 3, OR ?):2

least one **perfluoroalkyl** group having 6 to 12 carbon atoms and at least two alicyclic epoxy groups, and a cationic polymerization catalyst.

=> d 19 ibib ab 2

L9 ANSWER 2 OF 2 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 942024 EUROPATFULL EW 199937 FS OS
TITLE: Fluorine-containing epoxy resin composition, and surface modification process, ink jet recording head and ink jet recording apparatus making use of the same.
Fluor enthaltende Epoxidharzzusammensetzung, Verfahren zur Oberflaechenmodifizierung, Tintenstrahlaufzeichnungskopf und diesen Kopf tragenden Aufzeichnungsapparat.
Composition de resine epoxyde contenant du fluor, procede de modification de surfaces, tete d'enregistrement a jet d'encre et appareil d'enregistrement a jet d'encre le contenant.
INVENTOR(S): Noguchi, Hiromichi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, JP;
Shimomura, Akihiko, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, JP;
Imamura, Isao, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, JP;
Sato, Tamaki, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, JP
PATENT ASSIGNEE(S): CANON KABUSHIKI KAISHA, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, JP
PATENT ASSIGNEE NO: 542361
AGENT: Tiedtke, Harro, Dipl.-Ing. et al, Patentanwaltsbuero Tiedtke-Buehling-Kinne & Partner Bavariaring 4, 80336 Muenchen, DE
AGENT NUMBER: 11949
OTHER SOURCE: ESP1999066 EP 0942024 A2 990915
SOURCE: Wila-EPZ-1999-H37-T1a
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE
PATENT INFO.PUB.TYPE: EPA2 EUROPAEISCHE PATENTANMELDUNG
PATENT INFORMATION:
PATENT NO KIND DATE

EP 942024 A2 19990915
'OFFENLEGUNGS' DATE: 19990915
APPLICATION INFO.: EP 1999-104672 19990309
PRIORITY APPLN. INFO.: JP 1998-57638 19980310
ABEN The fluorine-containing epoxy resin composition of the present invention comprises a fluorine-containing epoxy resin having in one molecule at least one **perfluoroalkyl** group having 6 to 12 carbon atoms and at least two alicyclic epoxy groups, and a cationic polymerization catalyst.

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now available on STN
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NEWS 36 May 05 Pharmacokinetic information and systematic chemical names
added to PHAR
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and

right truncation

NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data

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=> s (implant? or insert?)

=> s 11 and gel .

=> s 12 qnd polyaphron?

The search profile that was entered contains terms or

nested terms that are not separated by a logical operator.

=> s 12 and polyaphron?
L3 2 L2 AND POLYAPHRON?

=> s 13 and fluorocarbon#
L4 1 L3 AND FLUOROCARBON#

=> d 14 1 ibib abs
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MAX ----- AN, ED, UP, EW, FS, TI, TIDE, TIFR, IN, PA, PAN, AG, AGN,
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REN, IC (ICM, ICS), ICA, ICI, CM, FA, GIS, PGC, CLMN, AB,
ABDE, ABFR, DETD, DETDDE, DETDFR, CLMDE, CLMFR

MAXG ----- MAX plus GI

MAX.OS ----- MAX, OS only

MAXG.OS ----- MAX.OS plus GI

MAX.PS ----- MAX, PS only

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ALL ----- AN, ED, UP, EW, FS, TI, IN, PA, PAN, AG, AGN, OS, SO, DT,
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ALLGDE.OS -- ALLDE.OS plus GI

ALLDE.PS --- ALLDE, PS only

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ALLGFR.OS -- ALLFR.OS plus GI

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ICS), ICA, ICI, CM, FA, GIS, PGC, CLMN, AB*, MCLM*
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 IBRIEF ----- BRIEF, indented with text labels
 IBRIEFG ---- IBRIEF plus GI
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 TRI.OS ---- TRI, OS only
 TRI.PS ---- TRI, PS only

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GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 1185315 EUROPATFULL EW 200250 FS PS
TITLE: PLASTICALLY DEFORMABLE **IMPLANT**.
PLASTISCH VERFORMBARES **IMPLANTAT**.
IMPLANT PLASTIQUEMENT DEFORMABLE.
INVENTOR(S): MENZ, Dirk-Henning, Wartheweg 12, D-86420 Driedorf, DE;
DRESP, Joachim, Hohenbrunnerstrasse 14, D-81825
Muenchen, DE
PATENT ASSIGNEE(S): BAUSCH & LOMB INCORPORATED, One Bausch & Lomb Place,
Rochester, New York 14604-2701, US
PATENT ASSIGNEE NO: 305105
AGENT: Maiwald, Walter, Dr. Dipl.-Chem. et al., Maiwald
Patentanwalts GmbH Postfach 33 05 23, 80065 Muenchen, DE
AGENT NUMBER: 57582
OTHER SOURCE: BEPB2002090 EP 1185315 B1 0011
SOURCE: Wila-EPS-2002-H50-T1
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Deutsch; Veröffentlichung in Deutsch
DESIGNATED STATES: R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R
GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE
PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale
Anmeldung)
PATENT INFORMATION:

| | PATENT NO | KIND DATE |
|------------------------|-------------------------------|--------------------------------|
| 'OFFENLEGUNGS' DATE: | EP 1185315 | B1 20021211
20020313 |
| APPLICATION INFO.: | EP 2000-935177 | 20000607 |
| PRIORITY APPLN. INFO.: | DE 1999-19926889 | 19990612 |
| RELATED DOC. INFO.: | WO 00-EP5208
WO 00005208 | 000607 INTAKZ
001221 INTPNR |
| REFERENCE PAT. INFO.: | WO 97-12852 A
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L3 2 S L2 AND POLYAPHRON?
L4 1 S L3 AND FLUOROCARBON#

=> s l2 and fluorocarbon#
L5 2056 L2 AND FLUOROCARBON#

=> s l5 and (water or aqueous)
L6 1904 L5 AND (WATER OR AQUEOUS)

=> s l6 and (fluorinat? or perfluorocarbon or perfluoroalkyl) and (surface(w)active
or surfactant# or micelle#)
L7 328 L6 AND (FLUORINAT? OR PERFLUOROCARBON OR PERFLUOROALKYL) AND
(SURFACE(W) ACTIVE OR SURFACTANT# OR MICELLE#)

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=> s (implant? or insert?)  
    4 FILES SEARCHED...  
L1      2787626 (IMPLANT? OR INSERT?)
```

=> s 11 and (water or aqueous)
L2 409848 L1 AND (WATER OR AQUEOUS)

=> s 12 and (fluorinat? or perfluorocarbon? or perfluoroalkyl?) and ((surface(w) active or surfactant#)

UNMATCHED LEFT PARENTHESIS 'AND ((SURFACE'

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s 12 and (fluorinat? or perfluorocarbon? or perfluoroalkyl?) and ((surface(w)active) or surfactant#)

L3 3321 L2 AND (FLUORINAT? OR PERFLUOROCARBON? OR PERFLUOROALKYL?) AND ((SURFACE(W) ACTIVE) OR SURFACTANT#)

=> s 13 and polar and hydrocarbon

L4 733 L3 AND POLAR AND HYDROCARBON

=> s 14 and (functional group)

L5 197 L4 AND (FUNCTIONAL GROUP)

=> s 15 and (molecular weight or mw)

<-----User Break----->

SEARCH ENDED BY USER

L6 175 L5 AND (MOLECULAR WEIGHT OR MW)

=> s 15 and ((molecular weight) or mw)

L7 175 L5 AND ((MOLECULAR WEIGHT) OR MW)

=> s 17 and (surface tension)

L8 49 L7 AND (SURFACE TENSION)

=> s 18 and (interfacial tension)

L9 2 L8 AND (INTERFACIAL TENSION)

=> d 19 ibib ab

L9 ANSWER 1 OF 2 USPATFULL

ACCESSION NUMBER: 2002:112477 USPATFULL

TITLE: FLUORINE-CONTAINING EPOXY RESIN COMPOSITION, AND SURFACE MODIFICATION PROCESS, INK JET RECORDING HEAD AND INK JET RECORDING APPARATUS MAKING USE OF THE SAME
INVENTOR(S): NOGUCHI, HIROMICHI, TOKYO, JAPAN
SHIMOMURA, AKIHIKO, YOKOHAMA-SHI, JAPAN
IMAMURA, ISAO, KAWASAKI-SHI, JAPAN
SATO, TAMAKI, KAWASAKI-SHI, JAPAN

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2002058210 | A1 | 20020516 |
| | US 6472129 | B2 | 20021029 |
| APPLICATION INFO.: | US 1999-263083 | A1 | 19990308 (9) |

| | NUMBER | DATE |
|-----------------------|---------------|----------|
| PRIORITY INFORMATION: | JP 1998-57638 | 19980310 |

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: FITZPATRICK CELLA HARPER & SCINTO, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112

NUMBER OF CLAIMS: 11

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 3 Drawing Page(s)

LINE COUNT: 858

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The fluorine-containing epoxy resin composition of the present invention comprises a fluorine-containing epoxy resin having in one molecule at

least one **perfluoroalkyl** group having 6 to 12 carbon atoms and at least two alicyclic epoxy groups, and a cationic polymerization catalyst.

=> d 19 ibib ab 2

L9 ANSWER 2 OF 2 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 942024 EUROPATFULL EW 199937 FS OS
TITLE: Fluorine-containing epoxy resin composition, and surface modification process, ink jet recording head and ink jet recording apparatus making use of the same.
Fluor enthaltende Epoxidharzzusammensetzung, Verfahren zur Oberflaechenmodifizierung, Tintenstrahlaufzeichnungskopf und diesen Kopf tragenden Aufzeichnungsapparat.
Composition de resine epoxyde contenant du fluor, procede de modification de surfaces, tete d'enregistrement a jet d'encre et appareil d'enregistrement a jet d'encre le contenant.
INVENTOR(S): Noguchi, Hiromichi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, JP;
Shimomura, Akihiko, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, JP;
Imamura, Isao, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, JP;
Sato, Tamaki, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, JP
PATENT ASSIGNEE(S): CANON KABUSHIKI KAISHA, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, JP
PATENT ASSIGNEE NO: 542361
AGENT: Tiedtke, Harro, Dipl.-Ing. et al, Patentanwaltsbuero Tiedtke-Buehling-Kinne & Partner Bavariaring 4, 80336 Muenchen, DE
AGENT NUMBER: 11949
OTHER SOURCE: ESP1999066 EP 0942024 A2 990915
SOURCE: Wila-EPZ-1999-H37-T1a
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE
PATENT INFO. PUB. TYPE: EPA2 EUROPÄISCHE PATENTANMELDUNG
PATENT INFORMATION:

| PATENT NO | KIND DATE |
|--------------------------------------|-------------------------|
| EP 942024 | A2 19990915
19990915 |
| APPLICATION INFO.: EP 1999-104672 | 19990309 |
| PRIORITY APPLN. INFO.: JP 1998-57638 | 19980310 |

'OFFENLEGUNGS' DATE: 19990915
APPLICATION INFO.: EP 1999-104672 19990309
PRIORITY APPLN. INFO.: JP 1998-57638 19980310
ABEN The fluorine-containing epoxy resin composition of the present invention comprises a fluorine-containing epoxy resin having in one molecule at least one **perfluoroalkyl** group having 6 to 12 carbon atoms and at least two alicyclic epoxy groups, and a cationic polymerization catalyst.